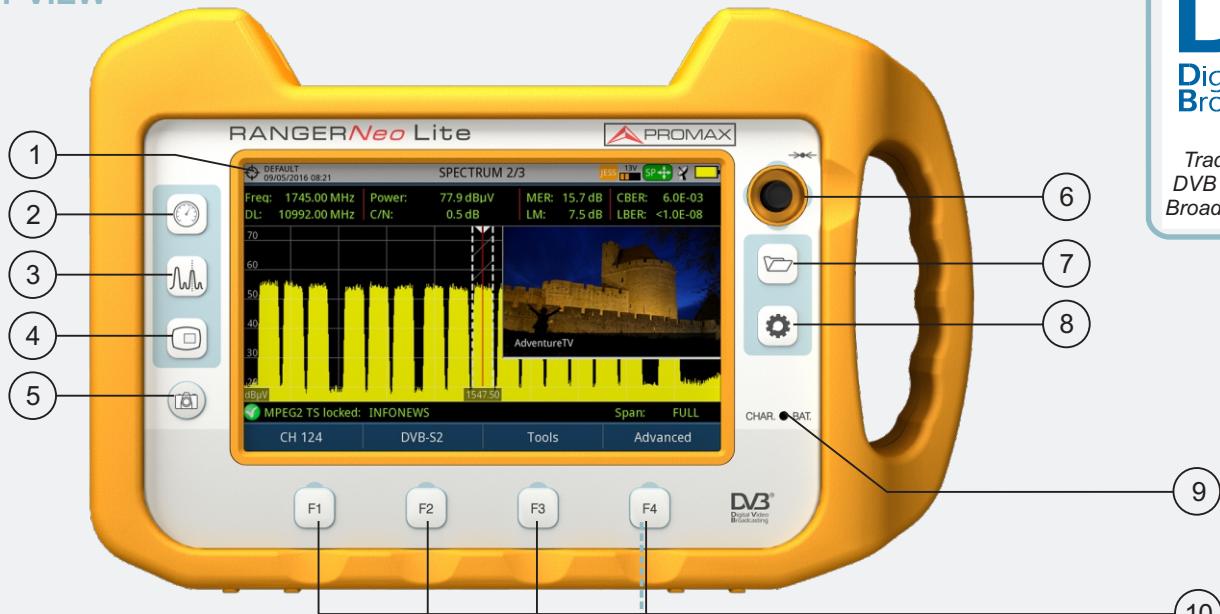


## FRONT VIEW



Trademark of the DVB - Digital Video Broadcasting Project



- |   |                                    |
|---|------------------------------------|
| ① TFT touch screen                          | ⑥ Joystick                         |
| ② Measurement key                           | ⑦ Installations management key     |
| ③ Spectrum key                              | ⑧ Settings key                     |
| ④ TV Key                                    | ⑨ Battery charging indicator       |
| ⑤ Export (press>1s)<br>Reference (press<1s) | ⑩ Softkeys                         |
|   | ⑪ Reset (press for 6s and release) |

## SCREEN ICONS REFERENCE

### STATUS BAR

- Battery charging**
- Battery not charging.** Yellow level indicates charge left
- USB** in serial port mode
- Satellite** band
- Current voltage, 22 kHz signal and LNB power level
- Terrestrial** band
- USB flash drive** inserted
- WiFi** signal source
- Current installation**
- Compressed installation**
- SatCR** (SCD/EN50494) commands enabled
- JESS** (SCD2/EN50607) commands enabled
- Joystick** multi-function enabled  
Two-letter code indicates the exact function:
  - FR** Frequency tuning
  - CH** Channel tuning
  - SP** SPAN change
  - MK** Marker moving
  - EC** Echo change/zoom
  - AP** Access Point change

Task scheduled

### SERVICE LIST SELECTOR

- Digital TV service**
- High Definition TV service**
- Digital radio**
- Data**
- Scrambled service**

### DIALOG BOXES

- Error message**
- OK message**
- Question message**
- Warning message**

### VIDEO & AUDIO SETTINGS MENU

- TFT backlight brightness
- Volume

**ON:** (<1s)

**OFF:** (2s)



## RF ► SETTINGS

1. Connect antenna and satellite dish.

2. Access Settings menu:

- Signal source: RF → WiFi → OTT → CCTV
- Band: Terrestrial → Satellite

## RF ► SCREENS

### ► MEASUREMENT

1/3 FULL MEASUREMENT

Power:	69.2dBuV	Band	82.3 dBuV
		LM	14.1dB
Freq	554.00 MHz	Power	69.1 dBuV
Offset	2 kHz	MER	30.5 dB
		C/N	34.7 dB
		CBER	6.9E-05
		VBER	1.8E-08

2/3 MEASUREMENT + TV + SPECTRUM

Freq	554.00 MHz	Power	69.1 dBuV	MER	30.5 dB
Offset	2 kHz	C/N	34.7 dB	CBER	6.9E-05
				VBER	1.8E-08

3/3 MEASUREMENT + PARAMETERS

DVB-T PARAMETERS					
Bandwidth:	8000 kHz	Spectral Inversion:	Off		
FFT Mode:	8k	Guard Interval:	1/4		
Constellation:	64QAM	Code Rate:	2/3		
TS Hierarchy:	None				
Freq	554.00 MHz	Power	69.1 dBuV	MER	30.5 dB
Offset	2 kHz	C/N	34.7 dB	CBER	6.9E-05
				VBER	1.8E-08

### ► SPECTRUM ANALYSER

1/3 SPECTRUM + MEASUREMENT

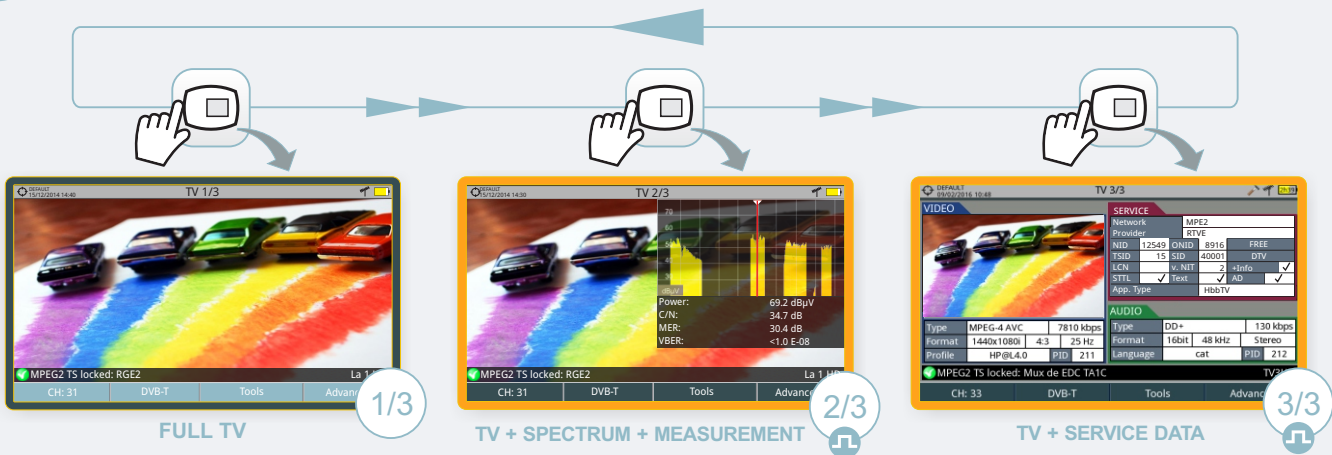
Freq	554.00 MHz	Power	69.1 dBuV	MER	30.3 dB
		C/N	36.2 dB	LM	8.9 dB
				CBER	6.7E-05
				VBER	<1.0E-08

2/3 SPECTRUM + MEASUREMENT + TV

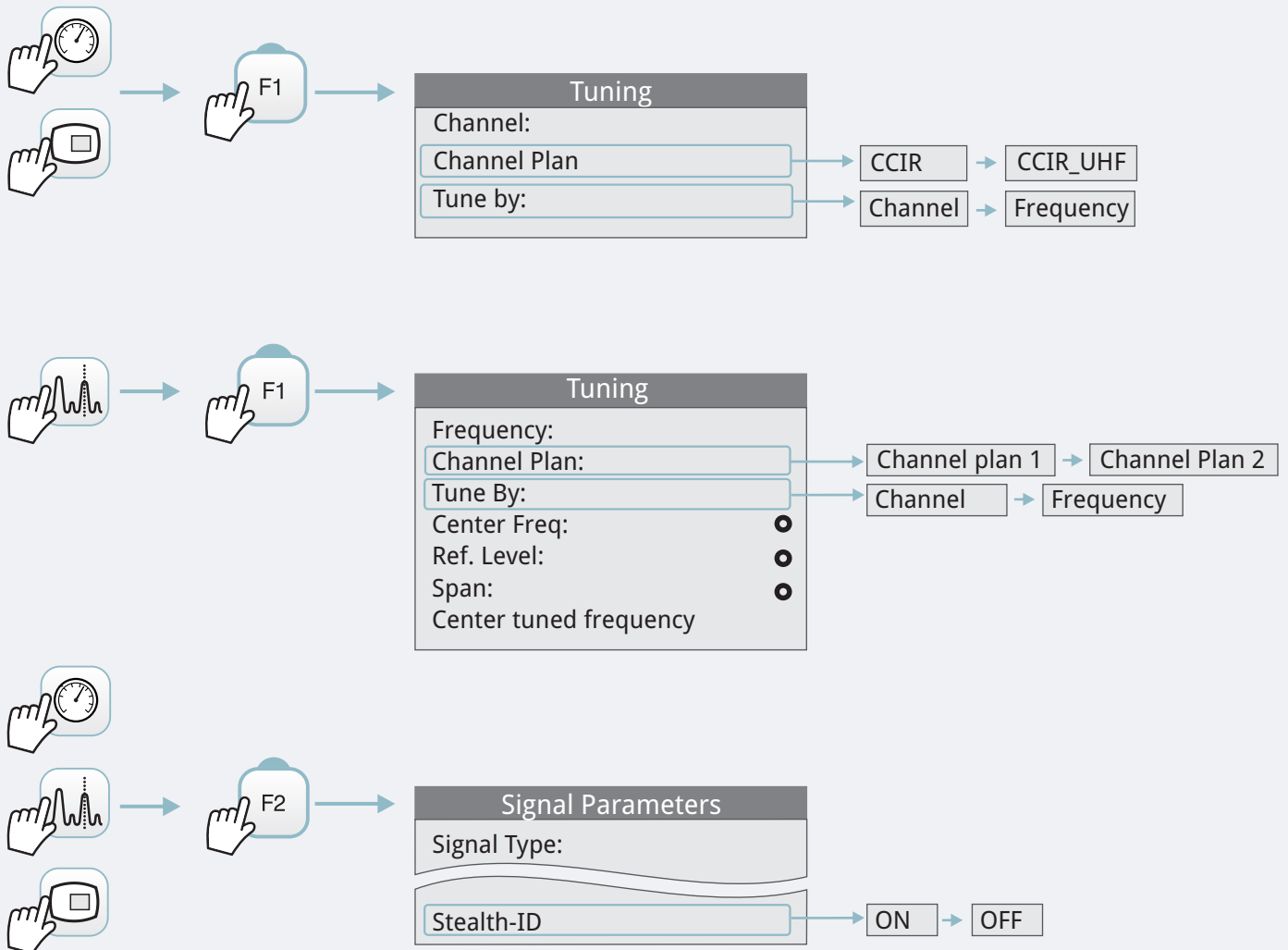
Freq	554.00 MHz	Power	69.1 dBuV	MER	30.3 dB
		C/N	36.2 dB	LM	8.9 dB
				CBER	6.7E-05
				VBER	<1.0E-08

3/3 FULL SPECTRUM

## TV MODE



## RF MENUS





F3

### Tools

- Select Service...
- Explore Channel Plan
- Discover FM Stations
- Field Strength:
- Datalogger
- Service Recording...
- Echoes
- Constellation
- LTE Ingress Test
- Attenuation Test
- Task Planner...

Off → On

New... → Test & Go → DL00



F4

### Advanced

- Average:
- Spectrum Line:
- Tone Level:
- Marker:
- Marker Trace:
- Max.Hold:
- Min.Hold:
- Persistence:
- Detector Type:
- Vertical Range:
- Dashed BW:
- Reference:

Outline → Solid → Transparency

Off → On

Off → On

Normal

Off → Permanent → Curtain

Off → Permanent → Curtain

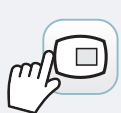
Off → On

PEAK → RMS

10 dB/div → 5 dB/div → 2 dB/div → 1 dB/div

Off → On

Set → Clear

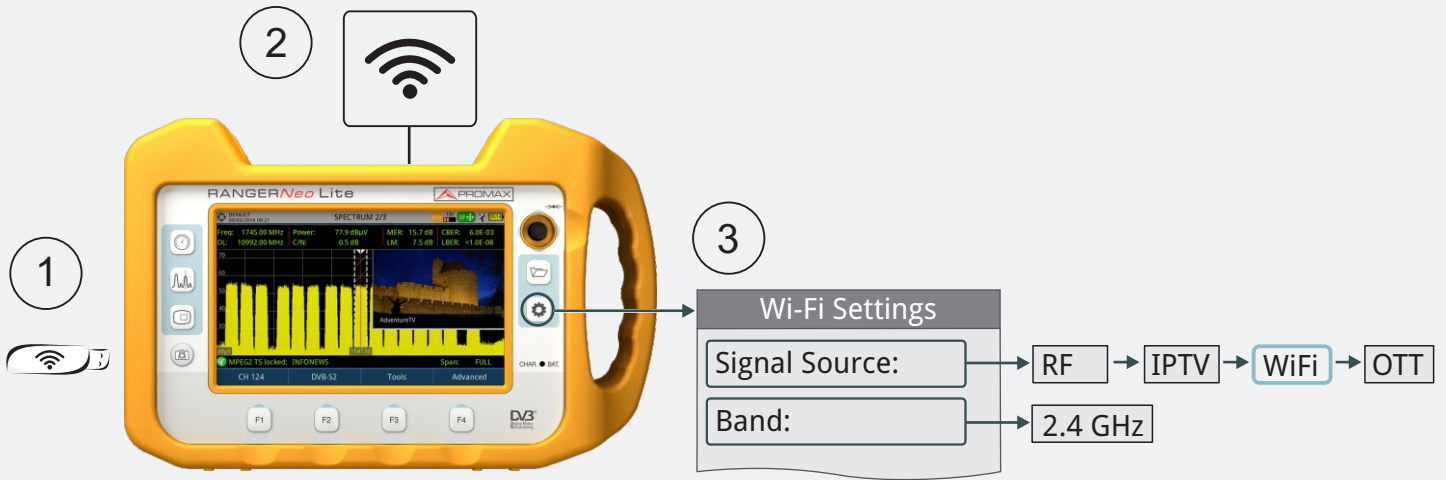


F4

### Advanced

- Audio:
- Discovered URLs:
- TS Data:

## WIFI ► SETTINGS



## WIFI ► SCREENS

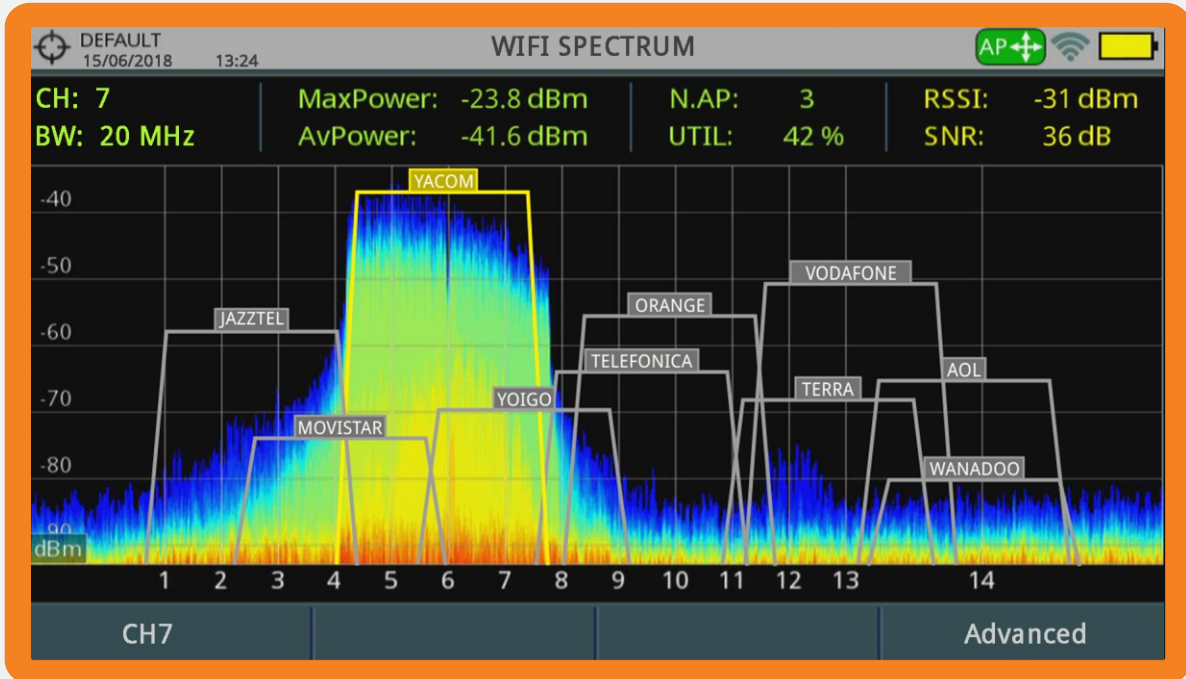
### ► SITE SURVEY

PROMAX 22/12/2016 12:10		SITE SURVEY					
SSID	BSS	CH	RSSI(dBm)	Security	Device		
JAZZTEL	01:23:45:67:89:ab	1	-86	WPA	Wireless Router...		
MOVISTAR	aa:bb:cc:dd:ee:ff	2	-72	WPA2	WAP6969N		
YACOM	98:76:54:32:10:fe	3	-84	WPE			
YOIGO	a1:b2:c3:d4:e5:f6	4	-74	Ninguno			
ORANGE	22:44:66:88:ab:cd	5	-70	WPA			
VODAFONE	13:57:92:46:80:31	6	-88	WPA			
ARRAKIS	ca:ac:ed:de:fb:bf	7	-78	WPA			
TELEFONICA	57:26:21:44:a6:89	8	-76	WPA			
TERRA	11:85:e5:74:0c:53	9	-80	WPA			
WANADOO	b4:07:32:41:a6:1c	10	-82	WPA			

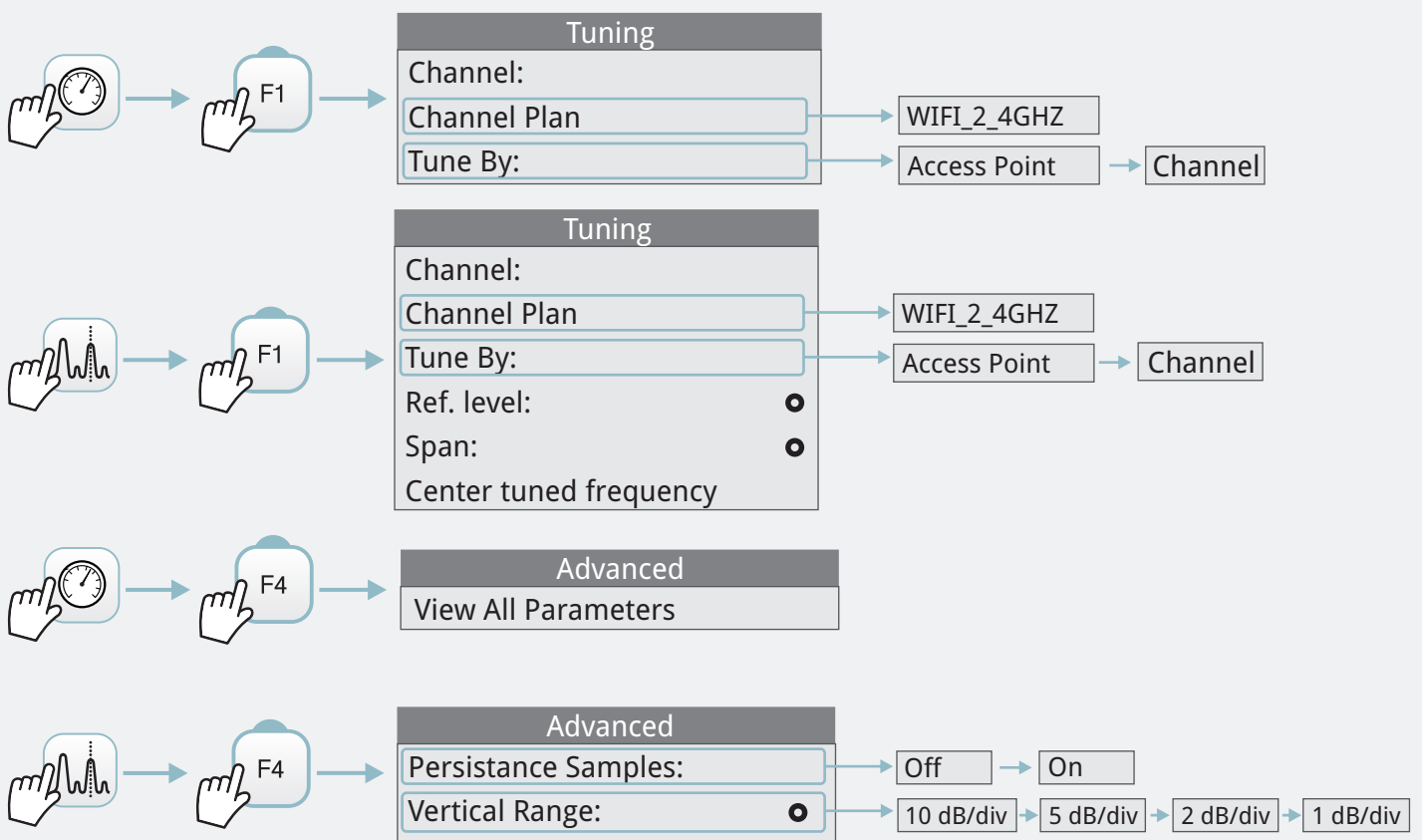
CH 1 | Advanced



## WIFI SPECTRUM



## WIFI MENUS





## SETTINGS MENU



**Terrestrial Settings**

- Signal Source:
- Band:
- Supply Output:
- Supply Voltage:
- LNB Drain:

RF → WiFi → OTT → CCTV

Terrestrial → Satellite

Enabled → Disabled

External → 5 V → 12 V → 24 V



**Satellite Settings**

- Signal Source:
- Band:
- DiSEqC Mode:
- SCD/EN50494:
- SCD2/EN50607:
- Polarization:
- Sat. Band:
- LNB Low Osc:
- LNB High Osc:
- Supply Output:
- Supply Voltage:
- LNB Drain:

RF → WiFi → OTT → CCTV

Terrestrial → Satellite

Off → On

Off → On

Off → On

Off → Horizontal/Left → Vertical/Right

High → Low

Disabled → Enabled

External → 5 V → 13 V → 13 V + 22 kHz → 15 V

18 V + 22 kHz ← 18 V



**Wi-Fi Settings**

- Signal Source:
- Band:

RF → WiFi → OTT → CCTV

2.4 GHz



**Video & Audio Settings**

- Volume
- Brightness
- Color System:

PAL 50 Hz → PAL 60 Hz → PAL-M → NTSC → SECAM



## PREFERENCES MENU

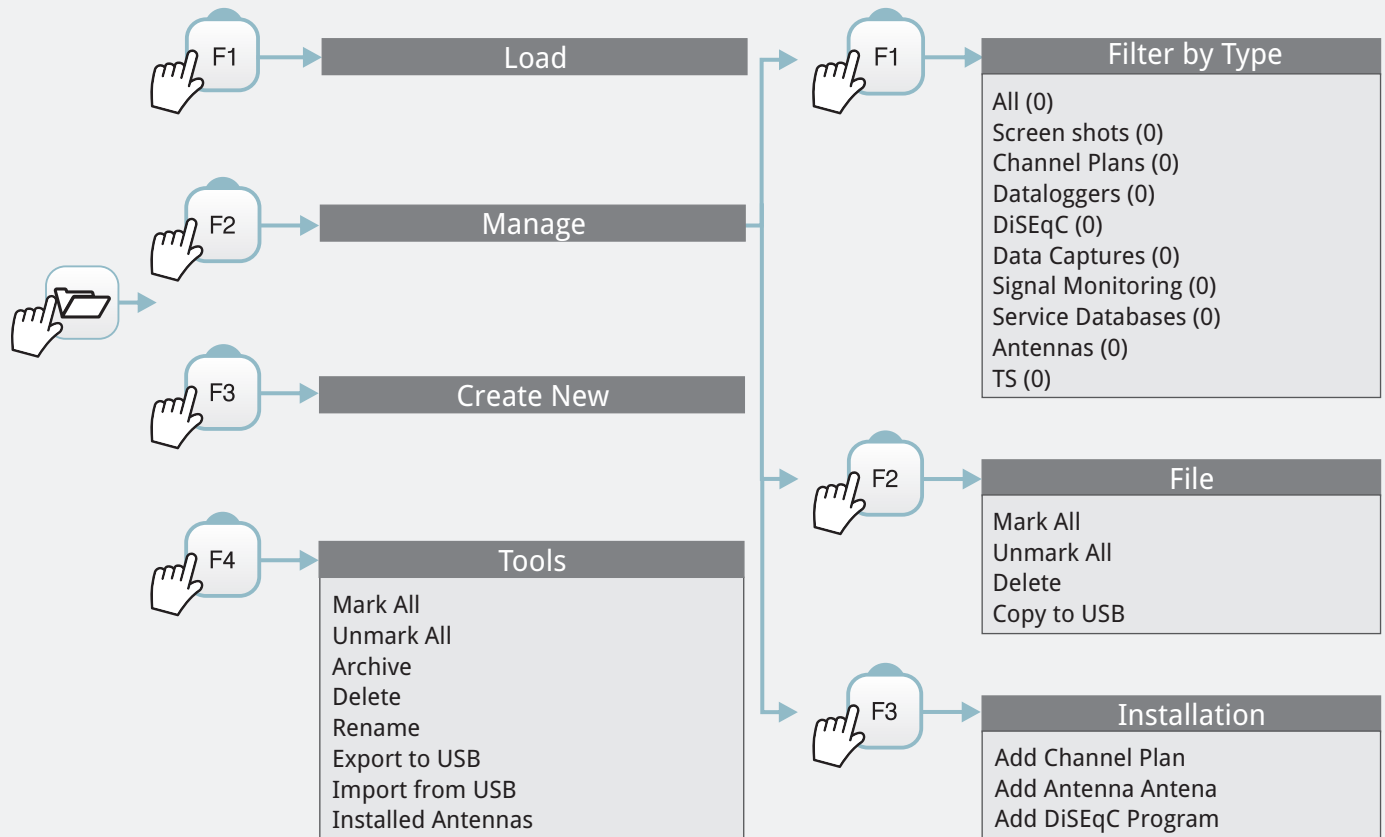


**Preferences**

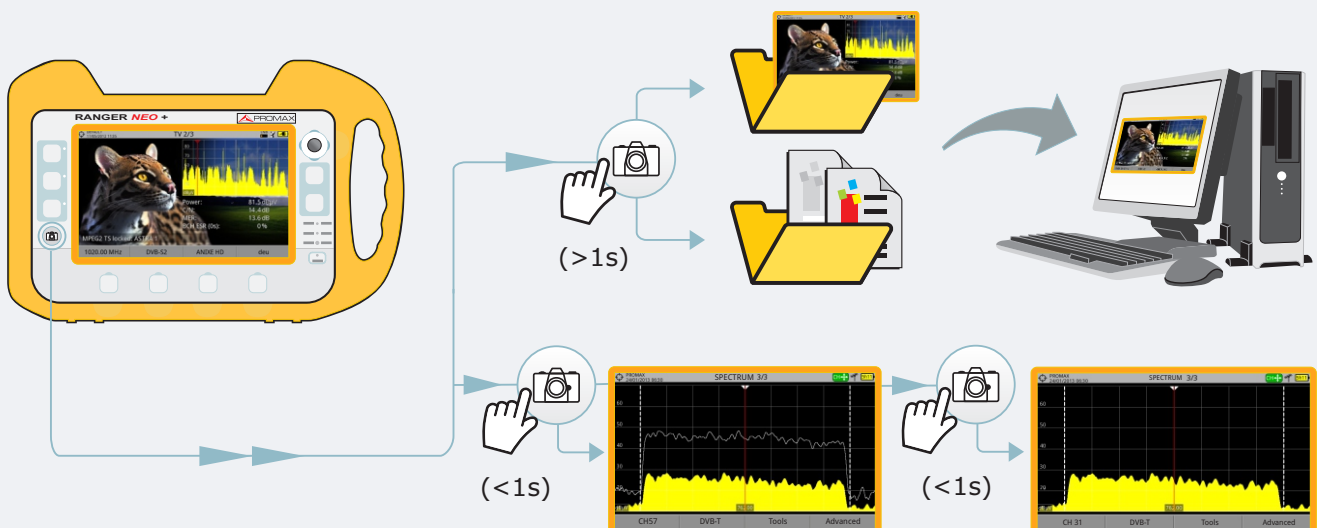
- Equipment
- Appearance
- Time and Date
- Measures
- Tools
- Stealth-ID
- Security
- Network
- SMTP

Provider Name	SN Release	Date Free System Memory	Free Data Memory Company	User
Language: Skin:	Power Off: Background:	TFT Screen: Color System:	Vibration: Values Format:	
Date:	Time:	Date Format:	Time Zone:	
Terrestrial Units:	Sat. Band:	Position Tone	Min. TER. Level:	Power Offset:
Satellite Units:	Ref. Level:	Min. TER. Power:	Min. FM. Level:	
Optical Units:	Ter. Downlink:	Min. SAT. Power:	Inp. Impedance:	
Datalogger PSI:	Export button:	LTE Filter F.Max:		
Database services:	LTE Filter F.Min:	Center Freq:		
Analog Terrestrial	→	<input type="checkbox"/> ANALOG → <input type="checkbox"/> FM		
Digital Terrestrial	→	<input type="checkbox"/> DVB-T → <input type="checkbox"/> DVB-C → <input type="checkbox"/> DVB-T2 → <input type="checkbox"/> DVB-C2		
Digital Satellite	→	<input type="checkbox"/> DVB-S → <input type="checkbox"/> DVB-S2 → <input type="checkbox"/> DSS		
PIN Code	1234			
MAC:	DHCP:	IP Address:	Mask:	Gateway:

## INSTALLATION MANAGEMENT



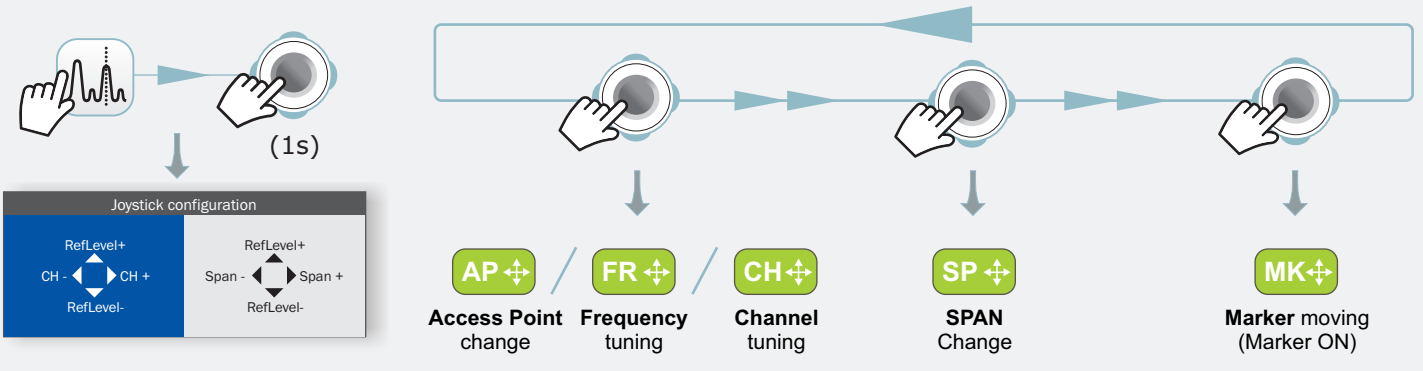
## EXPORT\* IMAGE / DATA / SPECTRUM



\*Export settings in Preferences



## ▶ JOYSTICK



### PARAMETER EDITION

Joystick Action	Tuning
F1	Channel: 44 Channel Plan: CCIR ▶ Tune By: Channel ▶ Center Freq: 658.00 MHz ●
x3	Channel: 44 Channel Plan: CCIR ▶ Tune By: Channel ▶ Center Freq: 658.00 MHz ●
Joystick with crosshair	Channel: 44 Channel Plan: CCIR ▶ Tune By: Channel ▶ Center Freq: 658.00 MHz ●
Joystick with left arrow	Channel: 44 Channel Plan: CCIR ▶ Tune By: Channel ▶ Center Freq: 658.00 MHz ●
Joystick with up arrow	Channel: 44 Channel Plan: CCIR ▶ Tune By: Channel ▶ Center Freq: 658.10 MHz ●
Joystick with crosshair	Channel: 44 Channel Plan: CCIR ▶ Tune By: Channel ▶ Center Freq: 658.10 MHz ●

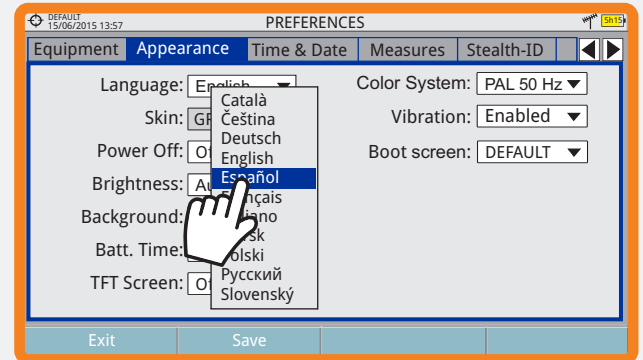
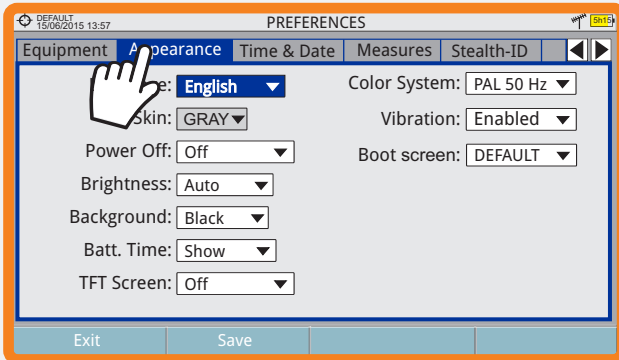
### PARAMETER SELECTION

Joystick Action	Advanced
F4	Average: 0 ● Spectrum Line: Outline ▾
Joystick	Average: 0 ● Spectrum Line: Outline ▾
Joystick with crosshair	Average: 0 ● Spectrum Line: Outline ▾ Outline: Solid Trans.
Joystick	Average: 0 ● Spectrum Line: Outline ▾ Outline: Solid Trans.
Joystick with crosshair	Average: 0 ● Spectrum Line: Solid ▾

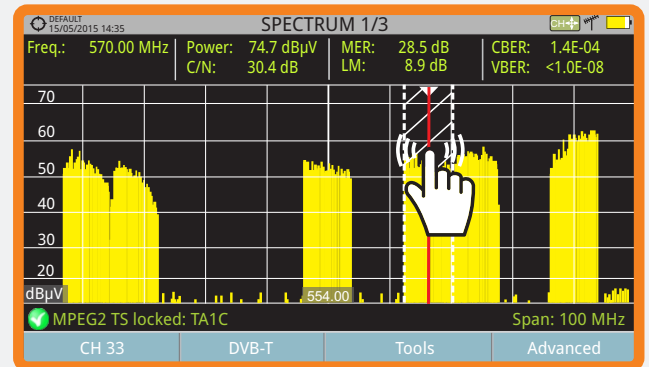
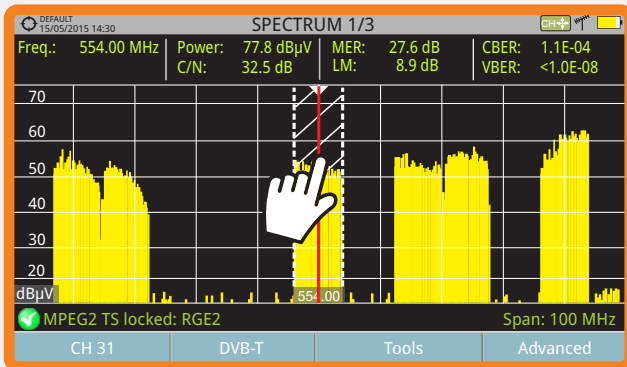


## TOUCH SCREEN

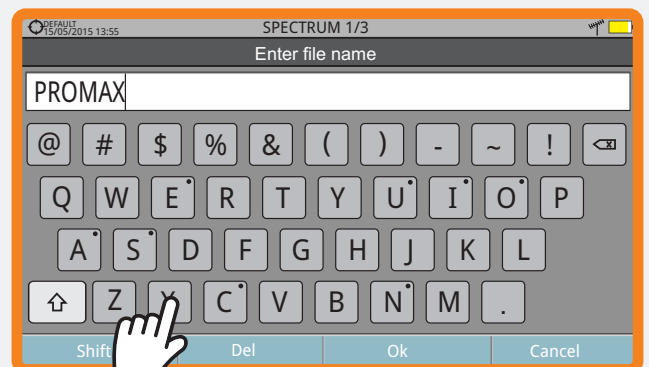
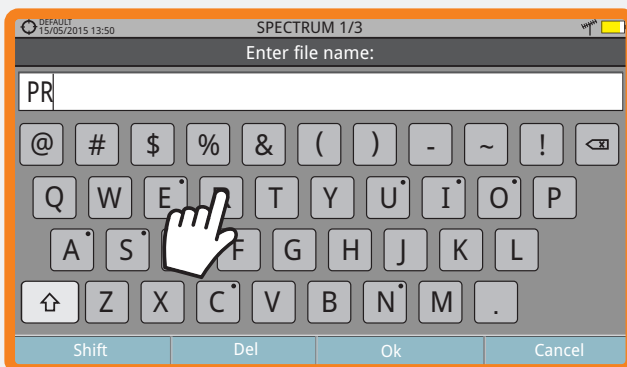
### MENU SELECTION



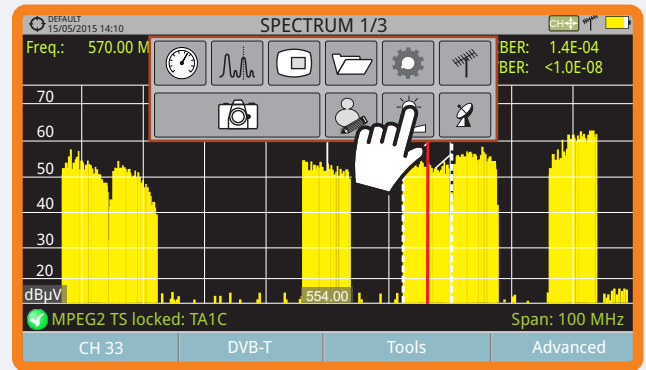
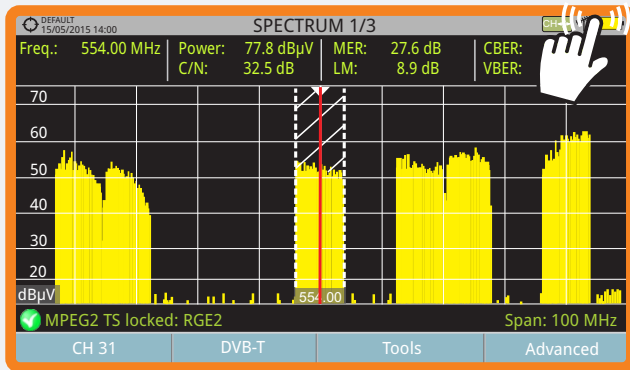
### FREQUENCY SELECTION













### VIRTUAL KEYBOARD WRITING



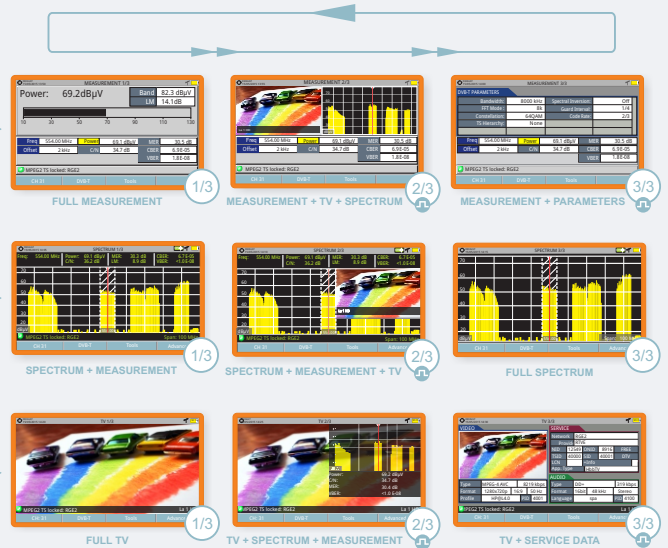
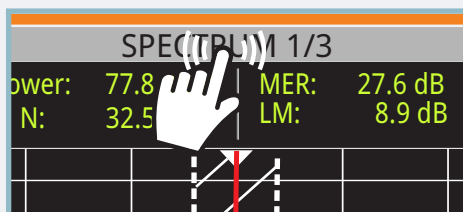
## TOOLBAR



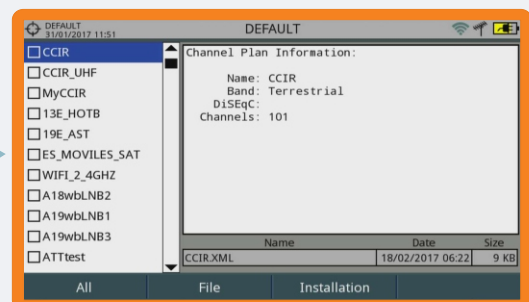
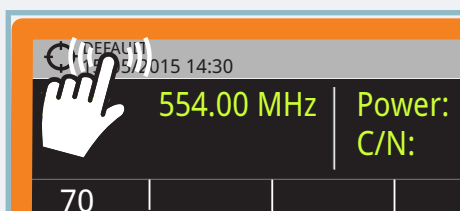
## TOOLBAR ICONS

-  Measurement Mode
-  Settings
-  Video & Audio Settings
-  Spectrum Analyser Mode
-  Terrestrial Band
-  Preferences
-  TV Mode
-  Satellite Band
-  Screen Capture
-  Installations Management

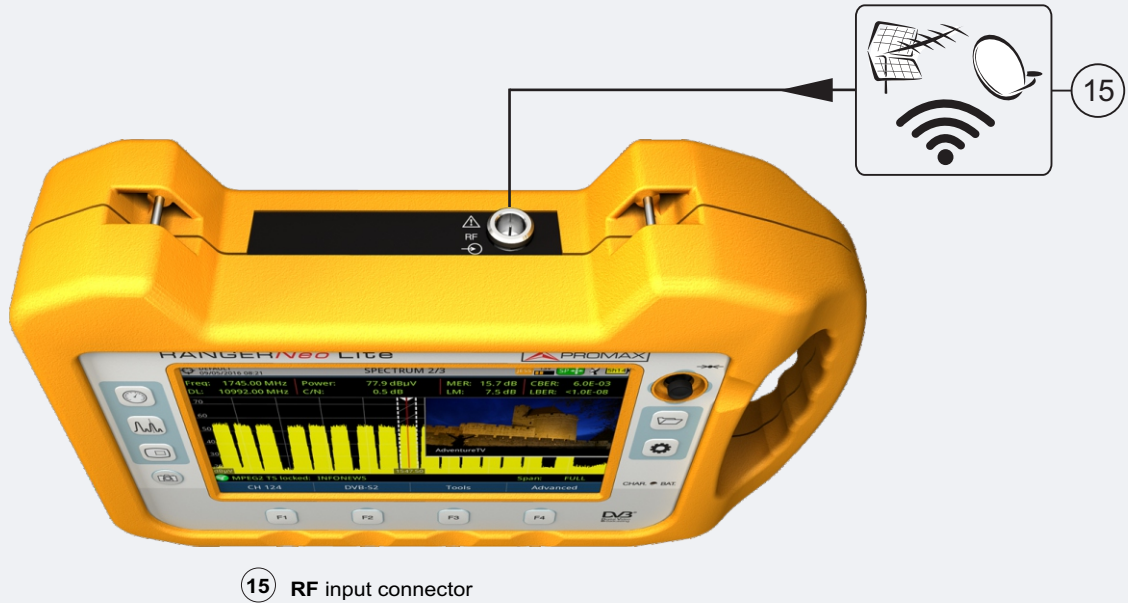
## MODE SCREENS



## INSTALLATIONS MANAGEMENT

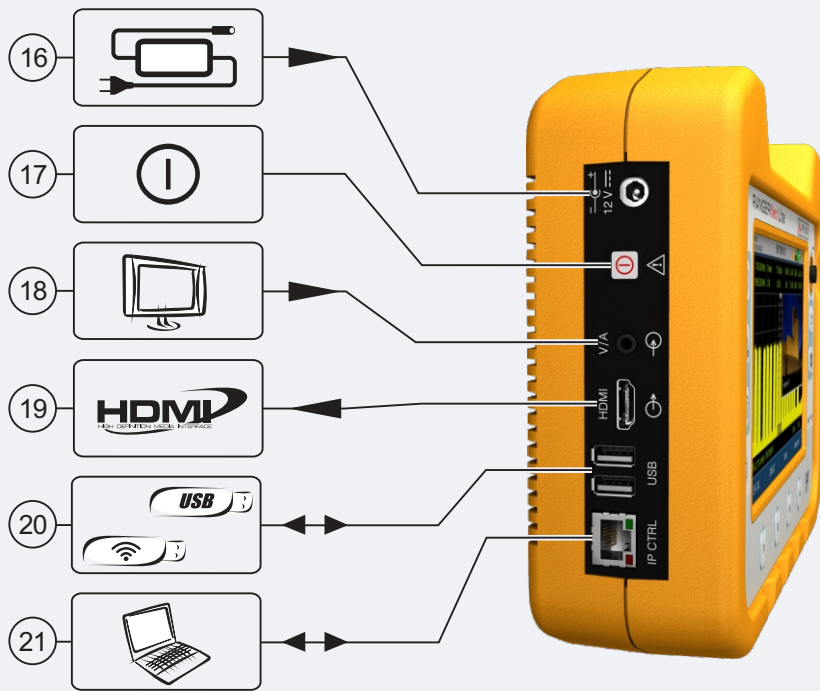


## TOP VIEW



## SIDE VIEW

- 16 Power input connector
- 17 ON/OFF button
- 18 Video/Audio input
- 19 HDMI output
- 20 USB connectors
- 21 ETHERNET connector for PC (NetUpdate)



### RESET

If the device crashes, press the ON/OFF button for 10 seconds. If the device does not respond then press the F4 key for 6 seconds and then release to reset (see user's manual for more information).

